Amacrox

80 PLUS

Design to meet Intel ATX 12V V2.2

Warrior

80 PLUS

- *PCI-E Connector*
- *With low noise fan*
- *Intel ATX 12V 2.2 compatible*

www.amacrox.com

Warrior 80PLUS

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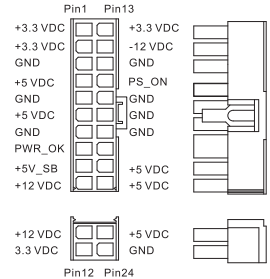
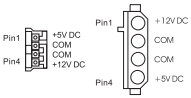
Product feature

- Compatible with Intel Core 2 & AMD Athlon 64 Compliant
- 100-240V ±10% (FULL RANGE) AC input
- DUAL 12V Rails Design
- Meet 80 PLUS
- Green PSU with Active PFC
- With ultra low noise fan
- Support PCI-E higher graphic card
- Complete output protection (OVP;OCP;SCP)
- Meet international safety standards: CE, CB, TUV, UL/cUL, Nemko, CSA , FCC etc.

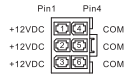
Description of Connectors



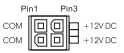
Main power connector



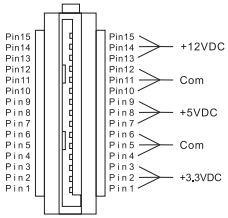
Peripheral power connector



+12V PCI Express connector



+12V power connector



Serial ATA power connector

Electrical Specification

AC Input	Voltage	100-240Vac
	Frequency	50-60Hz
	Current	350W : 5A-2.5A Max.
		450W : 6A-3A Max.
		500W : 8A-4A Max.
	Efficiency	20%,50%,100% load at 80% efficiency
	Power factor	Active PFC

AX350-80EN

300W Output	Voltage	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
	Current (Min.)	0.5A	0.3A	0.5A	0.5A	0.0A	0.0A
	Current (Max.)	21.0A	15.0A	16.0A	16.0A	0.8A	2.5A
	Combine power	(1) +3.3V+5V combine pwer not exceed 103W (2) 12V1&+12V2 combine pwer not exceed 300W (3) Total Power 350W					

AX400-80EN

400W Output	Voltage	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
	Current (Min.)	0.5A	0.3A	0.5A	0.5A	0.0A	0.0A
	Current (Max.)	24.0A	15.0A	17.0A	17.0A	0.3A	2.5A
	Combine power	(1) +3.3V+5V combine pwer not exceed 120W (2) 12V1&+12V2 combine pwer not exceed 336W (3) Total Power 400W					

AX500-80EN

500W Output	Voltage	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
	Current (Min.)	0.5A	0.3A	0.5A	0.5A	0.0A	0.0A
	Current (Max.)	24.0A	15.0A	17.0A	17.0A	0.3A	2.5A
	Combine power	(1) +3.3V+5V combine pwer not exceed 120W (2) 12V1&+12V2 combine pwer not exceed 408W (3) Total Power 500W					

All specifications are subject to our actual product

Protection

A. Over-Voltage Protection

In the event of an over-voltage condition on +3.3V,+5V&+12V, the power supply will shut down, and require remote or removal of the AC mains input to reset the system.

B.Over-Current Protection

There will be protection from an output over-current event. The power supply may shut down from such an event and require power-on restart.

C.Short-Current Protection

Output short circuit is defined to be a short circuit load of less than 0.1 ohm.
In the event of an output short circuit condition on +3.3V, +5V or +12V(-12V) output, the power supply will shutdown and latch off without damage to the power supply.
The power supply shall return to normal operation after the short circuit has been removed and the power switch has been turned off for no more than 2 seconds.

Installation Instructions

1. Disconnect all power for the computer at the mains
2. Remove the case/cover from your PC system
3. Unplug all power connectors from the old power supply
4. Remove the four screws from the rear of the case that hold the old power supply to the chassis
5. Screw the four screws into the rear of the case that hold the power supply to the chassis.
6. Reconnect all power connectors from Amacrox power supply to the computer components. The plugs will only fit one way, so if they don't fit, do not try to force them, just try them the other way round
7. Ensure no screws remain loose inside the casing as these could potentially short-circuit your motherboard
8. Replace the case/cover

Safety and EMI

The power supply unit have been certified by the following safety and EMI certifications : CE, CB, TUV, UL/cUL, Nemko, FCC, CSA etc.

Warning

(1) Do not open the top cover of the power supply unit !

(2) Please avoid exposing power supply unit from high humidity.

Trouble shooting

If the power supply unit fails to function properly, please check the following:

- Is the AC input plugged in properly and electrical outlet switched on?
- Check that all the output connectors are connected properly to all the components.
- Disconnecting the power cord from the unit can reset the power supply unit

However, if the power supply still does not function properly, please contact your original vendor or retailer for repair or replacement.

Please refer to the website for further information：

www.Amacrox.com

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